DETAILED SPECIFICATIONS:

1 **Apron Lead Double Sided 0.5mm Lead Equivalent Medium Size**
2 **Apron Lead Double Sided 0.5mm Lead Equivalent Small Size**
3 **Apron Lead Double Sided 0.5mm Lead Equivalent Large Size**
NOTE: All sizes as above;
shall consist of multi-ply construction which makes them flexible and comfortable
shall be 0.5mm Pb thickness of Lead equivalent
Covering Shall be non-tearable vinyl which repels blood, Barium and Betadine& shall be totally water and stain proof
Shall have breast pocket
Shall carry a two year warranty
Shall meet widely accepted international standards, ISO,IEC,CE ect (attach valid certificates)
4 **Apron Half, Lead Double sided 0.5mm Lead Equivalent**
Shall be 485mm ± 1mm (length) x 609mm ± 1mm (Width) half apron
Shall have Easy Velcro closures
shall be 0.5mm Pb thickness of Lead equivalent protection
Shall have Velcro strap of 712mm ± 1mm in length
Shall be 2.45kg ± 300g
Shall carry a two year warranty
Shall meet widely accepted international standards, ISO,IEC,CE ect (attach valid certificates)
5 Cassette, film size 18 x24cm
Shall be complete with double intensifying screen
Shall have blue sensitive screen
Shall have name plate
Speed shall be fast
Shall be Rare Earth Blue
Shall have an ID Window
Shall be made from powder coated rigid aluminium
Shall have comfortable handling by safety push-type locking mechanism
Shall have spring inserts for easy opening of cassette
Shall be compatible with all film types
Shall meet widely accepted international standards, ISO,IEC,CE ect (attach valid certificates)
6 Cassette, film size 24x30cm
Shall be complete with double intensifying screen
Shall have blue sensitive screen
Shall have name plate
Speed shall be fast
Shall be Rare Earth Blue
Shall have an ID Window
Shall be made from powder coated rigid aluminium
Shall have comfortable handling by safety push-type locking mechanism
Shall have spring inserts for easy opening of cassette
Shall be compatible with all film types
Shall meet widely accepted international standards, ISO,IEC,CE ect (attach valid certificates)

7 **Cassette, film size 30x 40cm**

size 30X 40, rest of spects same as above

8 **Dopler with Fetal Probe**

9 **Electodes, Ecg Monitoring Paediatric**

Shall be disposable and adhesive
Size shall be 17x22mm ± 5mm or equivalent area if circular
shall be supplied in packs of 10
Shall be compatible with all ECG machines
Shall be Pre-wired
Shall have soft cloth wrap-around limp band
Shall be radiolucent

Shall meet widely accepted international standards, ISO,IEC,CE ect (attach valid certificates)

Shall be supplied with English Operating/User and Technical/Service Manual at time of delivery

10 **Electodes, Ecg Monitoring Adult**

Shall be disposable and adhesive
Complete size shall be 40x32mm ±5mm
Adhesive Size shall be 32x32mm ±5mm
shall be supplied in packs of 10
Shall be compatible with all ECG machine leads
Shall be Repositionable
Shall have a minimum of three-day wear time
Shall be applicable to cardiology, operating rooms, emergency rooms and paramedics

Shall meet widely accepted international standards, ISO,IEC,CE ect (attach valid certificates)

Shall be supplied with English Operating/User and Technical/Service Manual at time of delivery

11 **Electrosurgical Patient Plate Universal Disposable, 5's**

Conductive area shall be 114cm2 ± 1cm2
Total contact area shall be 165cm2 ±2 cm2
Size shall be universal i.e. for both adults paediatrics
Shall be of single type i.e. not split type
Shall be packaged in packs/pouches of 5s
Shall be compatible with all makes of generators/electrosurgical machines on the market.

Shall be compliant with ANSI/AAMI and other electro-surgical standards guaranteeing patient safety

Shall be pre-gelled
Backing material shall waterproof flexible white foam, closed cell, with biocompatible acrylic adhesive

Shall be Biocompatible
Shall be waterproof
Conductive area: Aluminium with acrylic based hydrogel
With 3m pre attached disposable cable
Shall meet widely accepted international quality and safety standards, ISO,IEC, CE etc (attach valid certificates)

12 Electrode ball utah® red 5mm. 10/box

13 Kodak® Film X-Ray Digital Signs 35 x43cm ER7 100's

14 Kodak® Film, X-Ray Digital Dry view (DVB) Laser 35x43cm, 125's

15 Kodak® Film, X-Ray Digital Dry view (DVB) Laser 25x30cm, 125's

16 Kodak® Film, X-Ray Digital Dry view (DVB) Laser 28x35cm, 125's

17 **Gloves, Lead/rubber, 0.3mm lead equivalent**

18 **Gloves, Lead/rubber, 0.5mm lead equivalent, large size**

19 **Gloves, Lead/rubber, 0.5mm lead equivalent, small size**

Shall have one piece moulded design with a soft Urethane exterior
Covers Shall remove easily to inspect the protective qualities of the leaded core
Shall have a breathable nylon liner for comfort
Shall have a 0.5mm Pb thickness of Lead equivalent protection
Shall be Latex-free
Shall carry a two year warranty
Small Size, length 40cm ± 5cm
Shall meet widely accepted international standards, ISO,IEC, CE etc (attach valid certificates)

20 Glucose Test kit (Test strips + Lancents) for contour TS®, 50 + 50's

21 Glucose Test kit (Test strips + Lancents) for On Call Plus®, 50 + 50's

22 **Goggles, radiographer**

23 **Letters, radio-opaque, L+R, 1 pair**

Shall be radio-opaque
Shall meet widely accepted international standards, ISO,IEC, CE etc (attach valid certificates)

24 **Letter, Radio Opaque L (left) Singles, 20's**

25 **Letter Radio-Opaque R (right) Singles 20's**

Size: All sizes as above
Shall be radio-opaque
Size: 12mm
Shall meet widely accepted international standards, ISO,IEC, CE etc (attach valid certificates)

26 Loop utah ® canary 25mm x 22mm round. 10 box

27 **Neonatal stethoscope**

Shall have a double chest-piece for new-born children and infants
Shall have a small precision chest-piece made of aluminium especially for new- born children and infants
Special membrane, 28mm ±5mm. Smooth adaptation of the chest piece with the help of non-chill rims

Bell, 28mm ±5mm
Shall have a Matt chromium-plated/brass binaural,
Shall have a strong Y-tube made of PVC to shield against undesired stray sounds
Shall be Latex-free
Overall length: 76cm ±3cm
Shall be supplied with a pair of replacement ear-tips and a replacement membrane
Shall meet widely accepted international standards, ISO,IEC, CE etc (attach valid certificates)

28 **Ophthalmoscope**

Shall be supplied with an ophthalmoscope head, 2.5/3.5v spare halogen
replacement lamp set, Rechargeable Fiber optic handle With Transformer (charger) for 220- 240V 50/60 Hz input, Output 2.5/3.5 v DC,
Easy to change heads
Shall be supplied in hard carrying case
Components of item 28.1 Shall be packed in one pack and the pack well labelled of its contents

Shall meet widely accepted international standards, ISO,IEC, CE etc (attach certificates)
Shall be supplied with English Operating/User and Technical/Service Manual at time of delivery

29 **Paper Recording ECG, AT3 Schiller Machine, 70mm x 100mm**

Shall be compatible with Schiller ECG Machines, Model AT 3
Dimensions per pack shall be 70mm x 100mm x 200 sheets
Chart Number 2.157.007
Shall be z fold type
Shall meet widely accepted international standards, ISO,IEC, CE etc (attach valid certificates)

30 **Paper Recording ECG for Aspel® ECG Machines, Model**

31 **Paper Recording ECG for Schiller® Machine Model AT2**

Shall be compatible with Schiller ECG Machines, Model AT 2
Dimensions per pack shall be 210mm x 280mm x 218 sheets
Chart Number 2.157.017
Shall be z fold type
Shall meet widely accepted international standards, ISO,IEC, CE etc (attach valid certificates)

32 **Peak flowmeter- Electronic**

Individually calibrated to ensure high levels of Inter and Intra device accuracy.
Integral one-way valve to the reduce risk of cross infection.
of 60-850 l/minute and Forced Expiratory Volume (FEV1) of 0.60-800 Litres or better
Supplied complete with instructions for use, patient self-monitoring chart and sterilisable universal mouthpiece
Suitable for most older children and adults
Accuracy: PEF +/- 6% or 10 L/min, FEV1 +/- 3.5% or 0.10 Litres
Resolution: PEF 5.0 l/min, FEV1 0.05 Litre
Weight: 60grams or less
Memory: At least 240 PEF, 240 FEV1
Power: One 3V coin cell not replaceable or rechargeable
Product should meet widely accepted international standards, ISO,IEC, CE etc (attach valid certificates)

33 **Pen switch two bottom electrosurgery. 10/box.Electrosurgical Pencil**

Disposable
Electrode Exposed Length :39mm-45mm
Electrode Shape :Blade
Function: Cut and Coagulation
Electrode Material: Replaceable Stainless Steel Blade
Cable Length : 3M - 5M

34 **Resuscitator Adult, 1 each**

Handle Material: ABS Plastic

Product should meet widely accepted international standards, ISO,IEC, CE etc (attach valid certificates)

Shall be 100% Latex free outer cover and inner lining

Shall have an Integrated Handle for user comfort

Volume of Resuscitator bag shall be 1700ml ± 100ml

Maximum tidal volume delivery shall be 1000ml

Mask Sizes: 0, 3, 4, & 5 each bag: They Shall be packed and supplied as one package with the Resuscitator

Frequency of Ventilation shall be 40 breaths per minute

Weight shall be less than 350g

Pressure limiting valve shall be 6kpa

Product shall meet widely accepted international standards, ISO, IEC, CE etc (attach valid certificates)

35 **Resuscitator with Masks,Paediatric 1 each**

Volume of Oxygen reservoir bag 2500ml ±100ml

Autoclavable

100% Latex free outer cover and inner lining

Maximum tidal volume delivery to be 500ml ± 50ml

Volume of Resuscitator bag 750ml ± 75ml

Integrated Handle for user comfort

Frequency of Ventilation 50 breaths per minute

Weight Shall be less than 250g

Pressure limiting valve 4.5 kpa

Mask Sizes: 0, 1, 2, and 3 each bag: They Shall be packed and supplied as one package with the Resuscitator

Product shall meet widely accepted international standards, ISO, IEC, CE etc (attach valid certificates)

36 **Digital Scale, Bathroom 180 - 200kg**

Digital Clinical Scales

Min Capacity: 10kg

Max Capacity: 200kg

Dimensions (cm only): 35 x31 ± 5cm

Graduations: 100g

Power: Alkaline batteries (included)

LCD Display

Should read in both Kgs only

Provide assembling manual in English for this item at time of delivery

Provide operator manual in English for this item at time of delivery

Product should meet widely accepted international standards,ISO,IEC,CE ect(attach valid certificates)

37 **Scale Precision Digital**

38 **Screen wipes, 20's**

39 **Set Diagnostic Complete**

Set to include; 2.5/3.5v Otoscope head, 2.5/3.5v Ophthalmoscope head, Ear Specula with stainless fitting of Sizes: 2,3, and 4, Rechargeable Fiber optic Handle With Transformer (charger) for 220- 240V 50/60 Hz input, Output 2.5/3.5 v DC and 2.5/3.5v spare halogen replacement lamp set

Shall have easy to change heads
Shall be supplied with a hard carry case and all components of Item 24.1 above well placed in the case slots
Shall meet widely accepted international standards, ISO,IEC, CE etc (attach valid certificates)

40 **Set Diagnostic Otoscope**
Shall be supplied with 2.5/3.5v Otoscope optical head
Shall be supplied with reusable ear specula with stainless fitting, Sizes: 2,3, and 4mm
Shall be supplied with Complete with 2.5/3.5v spare halogen replacement lamp set
Shall be supplied with Rechargeable Fiber optic Handle With Transformer (charger) for 220- 240V 50/60 Hz input, Output 2.5/3.5 v DC
Shall be supplied in a hard protective Carrying Case with sturdy sliding safety catches
Components of items 25.1 to 25.5 Shall be packed in one pack and the pack well labelled of its contents
Shall meet widely accepted international standards, ISO,IEC, CE etc (attach certificates)
Shall be supplied with English Operating/User and Technical/Service Manual at time of delivery

41 **Set Laryngoscope**
Shall be supplied complete with Blades: sizes 0,1,2,3,4 and 5 in one Hard carry
case and the blades well placed in their slots
Blades Shall be of Macintosh type and made of stainless steel
Shall have a Fibre optic handle
To be used with AA or C alkaline 2.5v battery (supply first time use batteries)
Shall be supplied complete Complete with spare halogen replacement lamp set (a bulb per blade)

Shall be sterilisable up to 134 degrees Celsius
Shall be supplied with English Operating/User and Technical/Service Manual at time of delivery

Shall meet widely accepted international standards, ISO,IEC, CE etc (attach certificates)

42 **Shield X-Ray Gonad 0.5mm lead equivalent**

43 **Shield X-Ray Thyroid 0.5mm lead equivalent**
Shall consist of multi-ply construction, which makes them flexible and comfortable
Shall have 0.5mm Pb thickness of Lead equivalent
Covering Shall be non-tearable Vinyl which repels blood, Barium and Betadine and shall be totally water and stain proof
Shall carry a two year warranty
Shall meet widely accepted international standards, ISO,IEC, CE etc (attach valid certificates)

44 **Specula vaginal large, stainless steel 100mmx35m**

45 **Speculum vaginal medium, stainless steel 85mm x 35**

46 **Speculum vaginal small, stainless steel 75mm x 32m**
Size: all sizes as above
Shall be Stainless Steel

Reusable
Autoclavable
Shall meet widely accepted internatioal standards, ISO, IEC,CE ect (attach certificates)

47 **Sphygmomanometer, mercury free with velcro cuff**

Measurement method: Stethoscopy with stethoscope

Measurement range Numerical Display: Pressure- 0-300 mmHg Pulse-30-200 beats/minute or better
Measurement range pressure bar per display: Pressure- 20-280mm Hg
Measurement accuracy Numerical Display: Pressure- ±3mmHg Pulse- ±5%
Measurement accuracy pressure bar display: Pressure- ±4mmHg
Power Supply: 2x1.5 alkaline batteries **(LR6 or AA)**
Dimensions: Approx. 96(W)x 322(H) X 66 (D)mm
Weight: Approx. 1000g excluding batteries
On/Off Switch
Latex bulb, Air flow control valve, latex bag and Calibrated V-Lock Cuff

Shall display Patient's pulse rate automatically when a measurement is completed (below 20mmHg)

Product should meet widely accepted international standards,ISO,IEC,CE ect(attach valid certificates)

Shall be supplied with English Operating/User and Technical/Service Manual at time of delivery

48 **Sphygmomanometer Digital with velcro cuff**

Large LCD display with backlight
With time and date stamp
Memory: Shoud at least store 300 results with time and date
Able to accommodate different cuff sizes
Fully automatic upper arm BP measuring unit
Should display Diastolic, Systolic, Pulse
Supplied complete with cuff size 22-23cm (medium/standard)
Measuring range SYS/DIA: 20-280mmHg, Pulse: 40-200/min
Accuracy: Pressure within +/- 3mmHg, Pulse +/- 5% of the reading
Audible Bleep when measurement is complete
With capactive pressure sensor
Unit should be CE marked
Unit should be validated by BHS standards
Supplied with power adaptor and rechargeable lithium ion battery/ batteries
Operatinal voltage 230/240 V AC 50/60Hz
Operational and service manual in english
Clinical Accuracy: Non Invasive Blood Pressure (NIBP) requirements: ANSI/AAMI SP 10
Should be able to alert the user of any irregular Heartbeat Detection

Product should meet widely accepted international standards,ISO,IEC,CE ect(attach valid certificates)

Shall be supplied with English Operating/User and Technical/Service Manual at time of delivery

49 **Stethoscope adult, 1 each**

Shall be both adult and paediatric sided chest- piece, each incorporated with a turnable diaphragm
Shall have the capacity to monitor high (2000Hz) and low- frequency (20Hz) sounds

Shall be made out of mirror finished brass and plated with non-porous chromium, no chill rims
Two-sided turnable/ switchable diaphrams
Rotating soft-sealing ear-tips, comfortable rubber
Lighteight, not more than 200g without packing
Overall length shall be 690mm +/- 10mm
Length of moulded tube shall be 470mm +/- 10mm
Length of Binaurals Shall be 190mm +/- 10mm
Material of moulded tube shall be of soft and non rigid PVC, latex free
The spring for the binaurals Shall be intergrated in the tube
Shall meet widely accepted international standards, ISO, IEC,CE ect (attach valid certificates)

50 **Stethoscope Foetal, 1 each**

Should be ideal for listening to the fetal heartbeat
Should have the capacity to mirror high (200Hz) and low-frequency (20Hz) sounds
Should be made out of Chrome-plated brass binaural non-porous chromium, no chill rims
Plastic eartips
Lightweight, not more than 400g without packing
Standard PCV Y-tubing: 40 - 50cm
Diameter of cone head: 22-26mm
The spring for the binaurals Shall be intergrated in the tube
Product shall meet widely accepted internatnal standards, ISO, IEC,CE ect (attach valid certificates)
Should be supplied with English operating /user and technical/service manual at time of delivery

51 **Stripes X -Ray Lead Rubber 18 x 43cm, 1mm lead equivalent 50's**

Size 18x34cm
1.0mm Pb thickness of lead equivalent
Both sides Shall be laminated with a light blue vinyl outer covering
shall be FLEXIBLE
Shall efficiently divide cassette for multiple exposure on the film

Shall meet widely accepted international standards, ISO, IEC,CE ect (attach valid certificates)

52 **Thermometer, digital, Infrared, Ear**

Digital ear thermometer suitable for hospital use incorporating disposable probe cover technology

Typical Calibration Accuracy of +/- 0.2 C (Degrees Celsius) for the thermometer at 33.0 - 42.0 C
Response Time of less than 7 seconds
Operating Temperature Range of typically 10.0 C - 42.2 C (Degrees Celsius)
Disposable batteries with typical life of approx, 1 year or 1000 temperature measurements
Automatic Switch - off ability
The machine must be supplied with a set of atleast 10 disposable covers and all accessories
Unit should be CE marked

Unit should be in compliance to 60601-1
The system must carry a manufacture 1 year guarantee. Including all service and spare parts
Application specialist should train all users for atleast one day
Attach Report test report issued by competant authority
Shall meet widely accepted international standards, ISO, IEC, CE ect. (attach certificates)

Pack size	QTY
Each	1
Each	24
Each	12
Each	12
Each	12
Each	12

Each	36
Each	108
Each	2004
Pack	2424
Each	20000

Box	36
Pack	100
Pack	2000
Pack	2000
Pack	2000
pair	264
Pair	12
Pair	12
kit	20000
kit	20000
Each	12
Pack	24
Pack	24
Pack	24
Box	20
Each	60

Each	300
Each	500
Each	500
Each	500
Each	100
Box	100

Each	1000
Each	2000
Each	1500
Each	400
Pack	100
Each	500

Each	500
Each	500
Each	500
Each	300
Each	120
Each	120
Each	500

Each	500
Each	2000
Each	500

Each	500
Each	30
Each	5000